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PTO/SB/21 (04-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/943,685
	Filing Date	August 30, 2001
	First Named Inventor	Loughrin et al.
	Art Unit	3679
	Examiner Name	Aaron M. Dunwoody
Total Number of Pages in This Submission	Attorney Docket Number	6039-000293

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <b>Request for Refund (with attachment of Exhibit A and B)</b>
Remarks		The Commissioner is hereby authorized to charge any additional fees that may be required under 37 CFR 1.16 or 1.17 to Deposit Account No. 08-0750. A duplicate copy of this sheet is enclosed.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm or Individual name	Harness, Dickey & Pierce, P.L.C.	Attorney Name W.R. Duke Taylor	Reg. No. 31,306
Signature			
Date	July 5, 2006		

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or printed name	W.R. Duke Taylor	Express Mail Label No.	EV 855 009 403 US (7/5/2006)
Signature		Date	July 5, 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

EV 855 009 403 US



**PATENT**

**BY THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No.: 09/943,685  
Filing Date: August 30, 2001  
Applicant: Loughrin et al.  
Group Art Unit: 3679  
Examiner: Aaron M. Dunwoody  
Title: DRIVE SHAFT COUPLING  
Attorney Docket: 6039-000293

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

**REQUEST FOR REFUND**

Sir:

It has come to our attention that the following charges were made against our Deposit Account 08-0750 for the above-identified application.

Date Posted	PTO Control No.	Description	Fee Code	Charges
08/05/05	75	09943685	1403	\$1,000
08/05/05	76	09943685	1403	\$1,000

The above-identified charges to our deposit account were in connection with a Reply Brief and Request for Oral Hearing filed with the U.S. Patent and Trademark Office on August 2, 2005. A copy of the Transmittal Form, Fee Transmittal, Reply Brief and Request for Oral Hearing are attached as Exhibit A. As you can see from the Fee Transmittal, Applicants chose as a "method of payment" to include a check for the

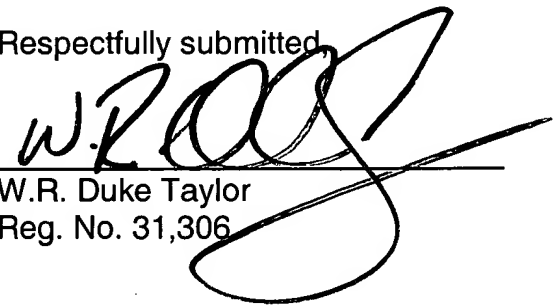
Request for Oral Hearing fee. Attached as Exhibit B is a copy of the cancelled check confirming the U.S. Patent and Trademark Office receipt of the fees necessary for the Request for Oral Hearing.

Therefore, it appears that the above charges (for two (2) Request for Oral Hearing) against our Deposit Account were in error. Accordingly, please credit our Deposit Account No. 08-0750 in the amount of \$2,000.00.

Dated: July 5, 2006

Respectfully submitted,

By:

  
W.R. Duke Taylor  
Reg. No. 31,306

HARNESS, DICKEY & PIERCE, P.L.C.  
P.O. Box 828  
Bloomfield Hills, Michigan 48303  
(248) 641-1600

WRDT/lkj

AUG 07 2001

PTO/SB/21 (04-04)

JFW

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 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
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# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	Application Number	09/943,685
	Filing Date	August 30, 2001
	First Named Inventor	Terry Loughrin et al.
	Art Unit	3679
	Examiner Name	Aaron M. Dunwoody
Total Number of Pages in This Submission	Attorney Docket Number	6039-000293

## ENCLOSURES (check all that apply)

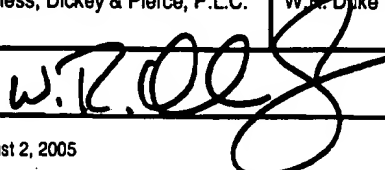
☒ Fee Transmittal Form☒ Fee Attached☐ Amendment / Reply☐ After Final☐ Affidavits/declaration(s)☐ Extension of Time Request☐ Express Abandonment Request☐ Information Disclosure Statement☐ Certified Copy of Priority Document(s)☐ Response to Missing Parts/  
Incomplete Application☐ Response to Missing  
Parts under 37 CFR  
1.52 or 1.53☐ Drawing(s)☐ Licensing-related Papers☐ Petition☐ Petition to Convert to a  
Provisional Application☐ Power of Attorney, Revocation  
Change of Correspondence Address☐ Terminal Disclaimer☐ Request for Refund☐ CD, Number of CD(s) \_\_\_\_\_☐ After Allowance Communication to  
Technology Center (TC)☐ Appeal Communication to Board of  
Appeals and Interferences☒ Appeal Communication to TC  
(Appeal Notice, Brief, Reply Brief)☐ Proprietary Information☐ Status Letter☒ Other Enclosure(s)  
(please identify below):

Amended Appeal Brief

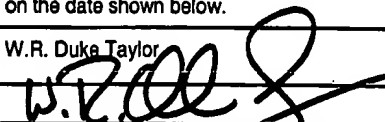
## Remarks

The Commissioner is hereby authorized to charge any additional fees that may be required under 37 CFR 1.16 or 1.17 to Deposit Account No. 08-0750. A duplicate copy of this sheet is enclosed.

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Harness, Dickey & Pierce, P.L.C.	Attorney Name W.R. Duke Taylor	Reg. No. 31,306
Signature			
Date	August 2, 2005		

## CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or printed name	W.R. Duke Taylor	Express Mail Label No.	EV 406 076 184 US (8/2/2005)
Signature		Date	August 2, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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AUG 02 2005

PATENT &amp; TRADEMARK OFFICE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**FEE TRANSMITTAL  
for FY 2005**

Effective 10/01/2004. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) 1,000**Complete if Known**

Application Number	09/943,685
Filing Date	August 30, 2001
First Named Inventor	Terry Loughrin et al.
Examiner Name	Aaron M. Dunwoody
Art Unit	3679
Attorney Docket No.	6039-000293

**METHOD OF PAYMENT (check all that apply)**☒ Check ☐ Credit card ☐ Money ☐ Other ☐ None  
Order☒ Deposit Account:Deposit  
Account  
Number

08-0750

Deposit  
Account  
Name

Harness, Dickey &amp; Pierce, PLC

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fees under 37 CFR 1.16 and 1.17☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	790	2001	395	Utility filing fee	
1002	350	2002	175	Design filing fee	
1003	550	2003	275	Plant filing fee	
1004	790	2004	395	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

**SUBTOTAL (1)**

(\$ 0)

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

		Extra Claims		Fee from below		Fee Paid	
Total Claims	-20 **	=	0	X		=	0
Independent Claims	-3 **	=	0	X		=	0
Multiple Dependent				X		=	0

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	50	2202	25	Claims in excess of 20
1201	200	2201	100	Independent claims in excess of 3
1203	360	2203	180	Multiple dependent claim, if not paid
1204	200	2204	100	** Reissue independent claims over original patent
1205	50	2205	25	** Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2)**

(\$ 0)

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	120	2251	60	Extension for reply within first month	
1252	450	2252	225	Extension for reply within second month	
1253	1020	2253	510	Extension for reply within third month	
1254	1590	2254	795	Extension for reply within fourth month	
1255	2160	2255	1080	Extension for reply within fifth month	
1401	500	2401	250	Notice of Appeal	
1402	500	2402	250	Filing a brief in support of an appeal	
1403	1000	2403	500	Request for oral hearing	1,000
1451	1,510	1451	1,510	Petition to Institute a public use proceeding	
1452	500	2452	250	Petition to revive - unavoidable	
1453	1500	2453	750	Petition to revive - unintentional	
1501	1400	2501	700	Utility issue fee (or reissue)	
1502	800	2502	400	Design issue fee	
1503	1100	2503	550	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	790	2809	395	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	790	2810	395	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	790	2801	395	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)**

(\$ 1,000)

**SUBMITTED BY****Complete (if applicable)**

Name (Print/Type)

W.R. Duke Taylor

Registration No. (Attorney/Agent)

31,306

Telephone

(248) 641-1600

Signature

W.R. Duke Taylor

Date

August 2, 2005



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. 09/943,685  
Filing Date: August 30, 2001  
Applicants: Terry Loughrin et al.  
Group Art Unit: 3679  
Examiner: Aaron M. Dunwoody  
Title: Drive Shaft Coupling  
Attorney Docket: 6039-000293

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Mail Stop Reply Brief – Patents  
Director of the U.S. Patent and Trademark Office  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

**REPLY BRIEF**

Dear Sir:

In response to the Examiner's Answer dated June 2, 2005, please consider the following.

Applicants include three (3) copies of an Amended Brief. The Amended Brief includes paragraphs, pages and line numbers in the Summary of the Invention. Also, typographical errors have been corrected in this section. Further, the Amended Brief includes the Claim Appendix which corrects the claims as indicated by the Examiner.

## **ARGUMENT**

In the Examiner's brief, in ¶10, the Examiner states that the Walters et al. reference illustrates "the joint component is both rotatable through a specified range of rotation and is fixed from axial movement relative to one of the set shaft". Nowhere does the Walters et al. reference illustrate such a feature. Walters et al., at best, in Figure 1, and in column 2, lines 47-49, briefly mentions a telescoping shaft. Nowhere does Walters et al., in the drawings or specification, disclose or suggest the joint component is both rotatable through a specified range of free motion rotation without torque transmission and is fixed from axial movement relative to one of the second shafts. There is no support for these features in the Walters et al. reference and for the Examiner to draw such a conclusion is pure conjecture.

The Ferguson reference relied on by Examiner has an elastic damper which always provides a reactive force to return and maintain the coupling in a first position. Free movement is not available in the Ferguson device. The elastomeric damper always interferes with the movement of the Ferguson coupling. Thus, the Ferguson device would not enable free motion, which is motion without any impediment or contact by any type of structure during rotation. Accordingly, the Examiner's combination fails to disclose or suggest Applicants' invention.

## **CONCLUSION**

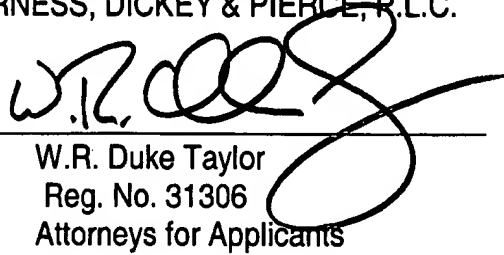
Applicants respectfully submit that the Examiner has failed to show the present invention would be obvious over Walters et al. in view of Ferguson. Further, the combination fails to illustrate a joint component rotatable through a specific range of

motion and is axially fixed with respect to one of the shafts. Additionally, the combination fails to show free motion as claimed by Applicants.

Accordingly, reversal of the final rejection of Claims 1-11 and allowance of these claims is respectfully requested.

Respectfully submitted,  
HARNESS, DICKEY & PIERCE, P.L.C.

By:

  
W.R. Duke Taylor  
Reg. No. 31306  
Attorneys for Applicants

P.O. Box 828  
Bloomfield Hills, Michigan 48303  
Phone: (248) 641-1600

Date: August 2, 2005





PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. 09/943,685  
Filing Date: August 30, 2001  
Applicants: Terry Loughrin et al.  
Group Art Unit: 3679  
Examiner: Aaron M. Dunwoody  
Title: Drive Shaft Coupling  
Attorney Docket: 6039-000293

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Mail Stop Reply Brief – Patents  
Director of the U.S. Patent and Trademark Office  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

**REQUEST FOR ORAL HEARING**

Applicants respectfully request an oral hearing. A check in the amount of \$1,000.00 is included to cover the request for oral hearing. An additional copy of this Request is included.

Should the Examiner have any questions or comments, please do not hesitate to contact the undersigned at (248) 641-1600.

Respectfully submitted,  
HARNESS, DICKEY & PIERCE, P.L.C.

By: \_\_\_\_\_

W.R. Duke Taylor  
Reg. No. 31306  
Attorneys for Applicants

P.O. Box 828  
Bloomfield Hills, Michigan 48303  
Phone: (248) 641-1600

Date: August 2, 2005

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<b>HARNES DICKY &amp; PIERCE, P.C.</b> ATTORNEYS AND COUNSELORS 5445 CORPORATE DRIVE TROY, MICHIGAN 48068		COMERICA BANK 9/9/20		62150
PAY: ONE THOUSAND AND 00/100 DOLLARS	NUMBER 62150	DATE 07/31/2005	AMOUNT \$1,000.00	
TO THE ORDER OF	DIRECTOR OF THE U.S. PATENT AND TRADEMARK OFFICE			
MEMO:	014054103 870 0924 05 08-10-05			
SECURITY FEATURES INCLUDED. DETAILS ON BACK.				
⑈062150⑈		⑆072000096⑆		⑈0000100000⑈

<p><b>Patent and Trademark Office</b> 13-10-0001 08-05-2005 FOR CREDIT TO THE U.S. TREASURY</p>	<p><b>CD MERIT</b> PROCESSED *M1 014054103 08-10-05 0779099248</p>	<p><b>10312007304</b> WASHINGTON, DC 20541 PHILA, PA 0692985 16PK 7410508145</p>
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Location	Acct #	Check #	Amount	Issue Date	Paid Date	Sequence
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Process Control						